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## DEPARTMENT OF ENERGY

### NOTIFICATION

The 18th May 2007

No. 4215-R&R-III-24/07/En.—In exercise of the power conferred by the Section 18 of the Energy Conservation Act, 2001 (52 of 2001), the Government of Orissa is pleased to issue the following directions for the efficient use of energy and its conservation in the State of Orissa namely :—

**I. Mandatory use of Compact Fluorescent Lamps (CFLs.) Metal Halide Lamps and A/Cs in Government Buildings/Government Aided Institutions/Boards/Corporations:**

- (1) The use of incandescent lamps in all new buildings/institutions constructed in Government Sector/Government Aided Sector/Board and Corporation/Autonomous Bodies is banned with immediate effect.
- (2) It will be mandatory that in existing buildings the defective incandescent lamps when replaced would be replaced by only Compact Fluorescent Lamps (CFL) and Air conditioner with **Energy Efficient Air Conditioners**.
- (3) It will be mandatory that in outdoor lighting the defective sodium vapour, mercury vapour lamps when replaced, shall be replaced with **Energy Efficient Metal Halide fittings and lamps**
- (4) It will be mandatory to use timer switch for out door lighting of cities, towns and residential colonies under Government/Government aided sectors/Boards and Corporations/Autonomous bodies.
- (5) Power utilities will effect necessary modification in load demand notices within two months time from the date of issue of this order to promote the use of compact fluorescent lamps instead of conventional bulbs while releasing/sanctioning new connection/loads.

## **II. Mandatory use of BIS marked Motor pump sets, Power capacitor, Foot/Reflex valves in Agriculture Sector:**

- (1) For all new tube well connection the use of BIS marked pump sets and accessories will be mandatory.
- (2) Power Utilities will make the amendments in the load demand notices for tube well connections within two months time from the date of issue of this order to ensure use of only BIS marked pumps in the State.

## **III. Promotion of Energy Efficient Building Design:**

- (1) All the new buildings to be constructed in Government/Government aided sector will incorporate energy efficient buildings design concepts including Renewable Energy Technologies with immediate effect.
- (2) The Chief Architect (R & B), Orissa and other Architects under Government/ Government aided sector will ensure the incorporation of energy efficient building design concepts in all buildings to be constructed in future in the Government/ Government Aided Sector. A Committee shall be constituted by the Chief Architect, Orissa to examine all existing and new building plans/drawings in Government/ Government Aided Sector to ensure that all the features of the energy efficient building design concepts have been incorporated in these buildings.
- (3) The Chief Architect, Orissa will designate a nodal officer for co-ordination and monitoring of these measures who will send quarterly progress report to the State Designated Agency.

## **IV. Mandatory use of Solar Water Heating Systems:**

- (1) The use of BIS marked solar water heating systems will be mandatory in the following categories of building, namely:—
  - (i) Industries where hot water is required for processing.
  - (ii) Hospitals and Nursing homes including Government Hospitals.
  - (iii) Hotels, Motels and Banquet halls.
  - (iv) Jail Barracks, Canteens.
  - (v) Housing Complexes set up by Group Housing Societies/ Urban Development Authority.
  - (vi) All residential buildings, built on a plot of size 500 square yards and above falling within the limits of Municipal Committee/ Corporations and Orissa Urban Planning and Development Authority Sectors.

(vii) All Government buildings Residential Schools, Educational Colleges, Hostels, Technical/ Vocational Education Institutions, District Institutes of Education and Training, Tourism Complexes and Universities etc.

2. OREDA will act as an approved source for supply and installation of solar water heating systems in the State to ensure the installation of optimally designed quality systems as per the BIS specifications.
3. All the line Departments like Town and Country Planning Department, Urban Development Department, Public Works Department (Building and Roads), Public Health Department, Rural Works Departments, Health Department, Home Department and Architecture Department will amend their rules/ bye-laws within a period of two months from the date of issue of this order to make the use of solar water heating systems mandatory.
4. These Departments will also designate a district and a State level nodal officer to monitor and report the progress of enforcement of the State Government decisions to the Department of Conventional Energy Sources, Orissa, on quarterly basis in the prescribed format.
5. Department of Science and Technology and Environment should also be included as an associate nodal agency.

The above orders supersede all previous orders, if any, in this matter and shall come into force with immediate effect.

By order of the Governor

L..N. GUPTA

Commissioner-*cum*-Secretary to Government